

### **ABSTRACT OF THE INVENTION**

The present invention is directed toward a framework for consistent and minimized development of Web-based applications. A preferred Web-based application of the present invention is built on a web server framework utilizing industry standard technologies relating to Web development and deployment. These technologies fall into three main areas: browser technology, Web server technology, and application server technology. A preferred Web architecture of the present invention is preferably based on HTTP, utilizing a browser, Middleware, and a Web Server, the Web Server comprising Java servlets, Java Server Pages, Java Beans, and a Web Server Framework. This architecture follows a standard Model, View, Controller pattern. Preferably, the initial servlet is the Controller, the Java Beans are the Model, and the JSP is the View. Preferred frameworks include an Error Framework, a Logging and Tracing Framework, a Connection Framework, a Reference Data Framework, a Security Framework, and an International Framework.

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